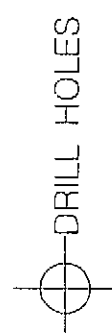


ARUNDEL MILLS BLVD. IS ASSUMED  
TO RUN IN AN EAST-WEST DIRECTION

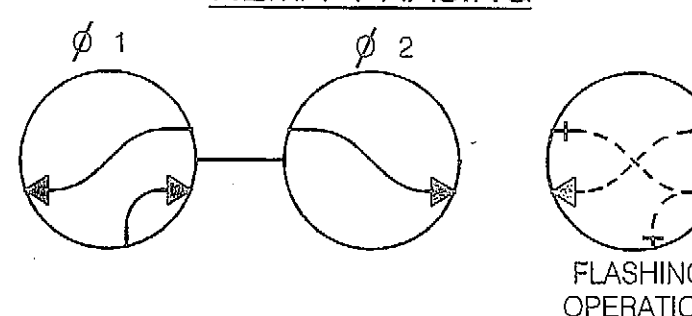


N.B. MD 295 ON RAMP

PROPOSED SIGNS

PROPOSED SIGNALS

NEMA PHASING



PHASING NOTES:  
1) PHASES ASSOCIATED BY A SOLID LINE  
WILL NOT OPERATE CONCURRENTLY.  
2) PHASES ASSOCIATED BY A DASHED LINE  
MAY OPERATE CONCURRENTLY.

PROPOSED VIDEO  
DETECTION CAMERA

A-F

ARUNDEL MILLS BLVD

NORTHBOUND MD 295

ARUNDEL MILLS BLVD

MATCH LINE - SEE SHEET TS - 4840 G11

GENERAL NOTES

1. THE LOCATION OF PROPOSED GEOMETRICS MUST BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
2. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
3. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 816.01, MD 816.02, MD 816.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.

GEOMETRIC LEGEND

|                |     |
|----------------|-----|
| EXISTING       | --- |
| PROPOSED       | --- |
| UTILITY LEGEND |     |
| AERIAL CABLE   | A   |
| ELECTRICAL     | E   |
| TELEPHONE      | T   |
| GAS            | G   |
| SEWER          | S   |
| WATER          | W   |
| CABLE TV       | TV  |

CONSTRUCTION DETAILS

- A. INSTALL 27 FT. MAST ARM POLE WITH A 60 FT. MAST ARM, SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS AND 15 FT. STREET LIGHTING ARM WITH 250 WATT HPSV LUMINAIRE (NOTE: INSTALL 2-3 IN. SCHEDULE 80, RIGID PVC, 90 DEGREE CONDUIT BENDS)
- B. INSTALL 27 FT. MAST ARM POLE WITH TWIN 50 FT/70 FT. MAST ARMS, SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS AND 15 FT. STREET LIGHTING ARM WITH A 250 WATT HPSV LUMINAIRE (NOTE: INSTALL 2-3 IN. SCHEDULE 80, RIGID PVC, 90 DEGREE CONDUIT BENDS)
- C. INSTALL 20 FT. BREAKAWAY PEDESTAL POLE WITH VIDEO DETECTION CAMERA (NOTE: INSTALL 1-3 IN. SCHEDULE 80, RIGID PVC, 90 DEGREE CONDUIT BEND)
- D. INSTALL BASE MOUNTED CABINET (S-TYPE WITH BATTERY BACKUP) AND CONTROLLER WITH ALL NECESSARY EQUIPMENT (NOTE: INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, RIGID PVC, 90 DEGREE CONDUIT BENDS)
- E. INSTALL ELECTRICAL HANDHOLE
- F. INSTALL 2 IN. SCHEDULE 80, RIGID PVC ELECTRICAL CONDUIT - TRENCHED
- G. INSTALL 3 IN. SCHEDULE 80, RIGID PVC ELECTRICAL CONDUIT - TRENCHED
- H. INSTALL 4 IN. SCHEDULE 80, RIGID PVC ELECTRICAL CONDUIT - TRENCHED
- I. INSTALL 4 IN. SCHEDULE 80, RIGID PVC ELECTRICAL CONDUIT - BORED
- J. INSTALL METERED SERVICE PEDESTAL
- K. PROPOSED UNDERGROUND ELECTRIC SERVICE
- L. INSTALL 24 IN. SOLID WHITE, HEAT APPLIED, PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE
- M. INSTALL W3-3 SIGN APPROXIMATELY 400' IN ADVANCE OF THE STOPBAR ON TWO-4 IN X 6 IN. WOOD SUPPORTS
- N. CUT, CLEAN, GALVANIZE AND CAP MAST ARM

TRAFFIC CONCEPTS, INC.

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Gambrills, MD 21054  
(410) 923-7101  
FAX: (410) 923-8473  
EMAIL: TRAFFIC@TRAFFIC-CONCEPTS.COM

APPROVALS

DESIGNED BY: T. ZAYDEL  
CHECKED BY: K. SCHMID  
F.A.P. NO.: NA  
DIVISION/SHEET: 3/25/12

REVISIONS

TRAFFIC SIGNALIZATION PLAN

|             |           |              |              |              |          |
|-------------|-----------|--------------|--------------|--------------|----------|
| SCALE       | 1"=20'    | DATE         | 3-22-12      | CONTRACT NO. | BW990M82 |
| DESIGNED BY | T. ZAYDEL | COUNTY       | ANNE ARUNDEL |              |          |
| DRAWN BY    | T. ZAYDEL | LOGMILE      | 02F71301.49  |              |          |
| CHECKED BY  | K. SCHMID | T.J.M.S. NO. | K-972        |              |          |
| F.A.P. NO.  | NA        | TOD NO.      |              |              |          |
| DRAWING NO. | TS - 4840 | SHEET NO.    | 1            | OF           | 3        |

TRACKING NO. 11-AP-AA-024-XX



STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
ARUNDEL MILLS BLVD.  
AND MD 295 RAMP (NORTH)  
HANOVER, MARYLAND